

ABSTRACT

A process for obtaining polyglycolyl urea from aromatic diglycinate to insulate electric conductors without forming HCN polluting residues, characterized because a mixture of methylene bromopropionate and methylenedianiline in aliphatic solvent reacts in presence of a catalizer; the solvent is separated through distillation, filtration of the mother waters and purification through washing with water and addition to the resulting product of cresylic acid and methylene diisocyanate under stirring, up to a temperature of 60° C, and addition of a triethylenediamino catalizer, heating at a temperature of up to 185° C and it is then distilled at a temperature of up to 200° C, obtaining a polyglycolyl urea hydantoin resin.